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Serial No. 10/532,651
Response to Office Action of February 12, 2007
Amendment dated June 12, 2007

REMARKS:

Applicants respectfully request reconsideration of the claim rejections set forth by the Examiner under 35 U.S.C. sections 102 and 103. Applicants respectfully submit that the prior art references of record, whether considered alone, or in combination, fail to either teach or suggest Applicants' presently claimed invention. More specifically, Applicants note that the presently claimed invention is directed to a liquid ejecting device comprising at least one heating element that is driven by a least one metal oxide field effect transistor. By this amendment, Applicants have modified each of the independent claims to specify that the metal oxide field effect transistor has a metal gate. Applicants have eliminated the alternate reference to the polycide gate structure previously specified in the independent claims.

Applicants respectfully submit that the prior art references of record cited by the Examiner fail to either teach or suggest Applicants invention as now claimed. Specifically, Applicants invention is directed to a liquid delivery device for ejecting liquid droplets such as ink toward an object from a liquid delivery head. The liquid delivery head of the present invention incorporates heating elements and a metal oxide field effect transistor to drive the heating elements. The heating elements and metal oxide field effect transistors are formed on a substrate such that the heating elements driven by the metal oxide field effect transistors heat a liquid contained in a liquid chamber thereby ejecting liquid in the form of droplets from nozzles. Each of the metal oxide field effect transistors incorporates a metal gate as now claimed. Applicants invention, in contrast with the prior art, provides for a reduction in the parasitic resistance for the design. This results in improved operating characteristics and performance.

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Accordingly, in light of the foregoing, because the references of record do not teach or suggest an ink ejecting mechanism which incorporates both a metal oxide field effect transistor as well as a metal gate, Applicants submit that all claims now standing petition for allowance. Applicants have submitted this amendment in conjunction with the Request for Continued Examination so that the Examiner may consider the alternate claims as modified herein.

Respectfully Submitted,

Date: 6/12/07

(Reg. #37,607)

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